

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
Joseph J. Shiang et al.



Serial No.:

Group Art Unit:

Filed:

Examiner:

For: ORGANIC ELECTROLUMINESCENT DEVICE
WITH A CERAMIC OUTPUT COUPLER AND
METHOD OF MAKING THE SAME

INFORMATION DISCLOSURE STATEMENT

Honorable Assistant Commissioner for Patents
Washington DC 20231

SIR:

This Information Disclosure Statement is being filed under 37 CFR 1.56 for a continuing application which relies on the filing date of its parent application, such parent application being identified as:

U.S. patent application Serial No.: 09/760,150 Filed: January 16, 2001

Inventor(s): Joseph J. Shiang et al.

Title: ORGANIC ELECTROLUMINESCENT DEVICE WITH A CERAMIC OUTPUT COUPLER AND METHOD OF MAKING THE SAME

Enclosed are Forms PTO-1449 listing all "prior art" cited in each Form PTO-1449 submitted in the parent application and in each Form PTO-892 cited in the parent application. Pursuant to 37 CFR 1.98(d), no actual copies of documents listed on such forms are being furnished to the PTO with this Information Disclosure Statement.

Date: November 18, 2003

Respectfully
Submitted,

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FORM PTO-1449 (REV. 7-80) (Title Amended 3/83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. RD-28230-3	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT-- O I P E P A T E N T & T R A D E M A R K O F F I C E L I S T O F I T E M S NOV 21 2003 (Use several sheets if necessary)		Applicant Joseph J. Shiang et al.			
		Filing Date		Group	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 5 9 5 5 8 3 7							09/21/99	Horikx et al				
	AB 5 7 0 8 1 3 0							01/13/98	Woo et al.				
	AC 5 2 9 4 8 7 0							03/15/94	Tang et al.				
	AD 5 9 0 0 3 8 1							05/04/99	Lou et al.				
	AE 5 3 1 3 3 2 5							05/17/94	Lauf et al.				
	AF 5 6 4 4 3 2 7							07/01/97	Onyskevych et al.				
	AG 6 3 8 8 3 7 5							05/14/02	Pinckney et al.				
	AH 5 8 3 1 6 9 9							11/03/98	Wright et al.				
	AI 6 2 0 8 0 7 7							03/27/01	Hung, Liang-Sun				
	AJ 6 4 2 9 5 8 5							08/06/02	Kitazume et al.				
	AK 6 5 2 1 3 6 0							02/18/03	Lee et al.				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

AR	Madigan et al., "Improvement of Output Coupling Efficiency of Organic Light Emitting Diodes by Backside Substrate Modification", Applied Physics Letters, Vol. 76, No. 13, pages 1650-1652 (2000)
AS	Carr, "Photometric Figures of Merit for Semiconductor Luminescent Sources Operating in Spontaneous Mode", Infrared Physics, Vol. 6, pages 1-19 (1966)
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EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (REV. 7-80) (Title Amended 3/83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. RD-228230-3	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT-- <u>LIST OF ITEMS</u> <i>(Use several sheets if necessary)</i>		Applicant		
		Filing Date	Group	
OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)				
	AU	Crawford et al., "Light-Emitting Diodes", Encyclopedia of Applied Physics, Vol. 8, pages 485-514 (1994)		
	AV	Lai et al., "Improved External Efficiency of Light Emitting Diode Using Organic Thin Film", CLEO Conference Proceedings, Pacific Rim 99, WL6, pp. 246-47 (1999)		
	AW	Gu et al., "High External-Quantum-Efficiency Organic Light-Emitting Devices", Optics Letters 6, Vol. 22, pp. 396-398 (1977)		
	AX	Gerrit Klarner et al., "Colorfast Blue Light Emitting Random Copolymers Derived from Di-n-hexylfluorene and Anthracene", 10 Adv. Mater. pp. 993-997 (1998)		
	AY	Junji Kido et al., "Organic Electroluminescent Devices Based on Molecularly Doped Polymers", 61 Appl. Phys. Lett., pp. 761-763 (1992)		
	AZ	Chung-Chih Wu et al., Efficient Organic Electroluminescent Devices Using Single-Layer Doped Polymer Thin Films with Bipolar Carrier Transport Abilities", 44 IEEE Trans. On Elec. Devices, pp. 12699-1282 (1997)		
	BU	A.W. Grice et al., "High Brightness and Efficiency of Blue Light-Emmiting Polymer Diodes", 73 Appl. Phys. Letters, pp. 629-631 (1998)		
	BV	Hiroyuki Suzuki et al., "Near-ultraviolet Electroluminescence from Polysilanes", 331 Thin Solid Films, pp. 64-70 (1998)		
	BW	P.S. Mudgett et al., "Multiple Scattering Calculations for Technology", 10 Appl. Optics, pp. 1485-1502 (1971)		
	BX			
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	BZ			
EXAMINER		DATE CONSIDERED		
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